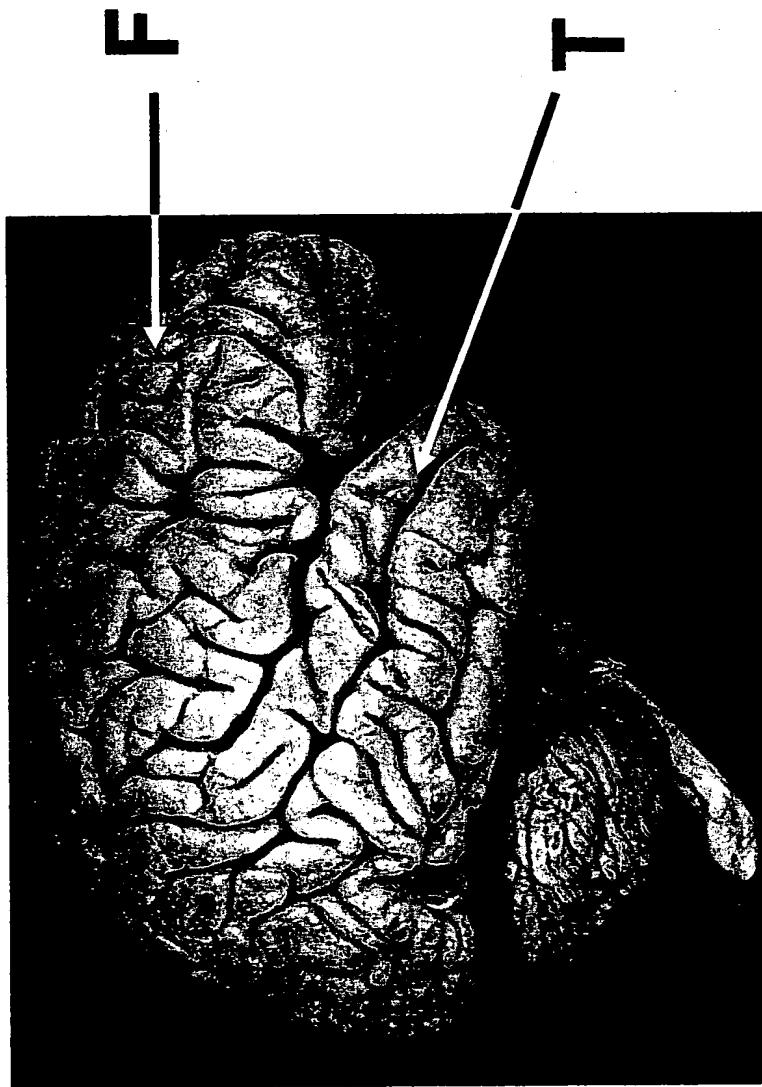


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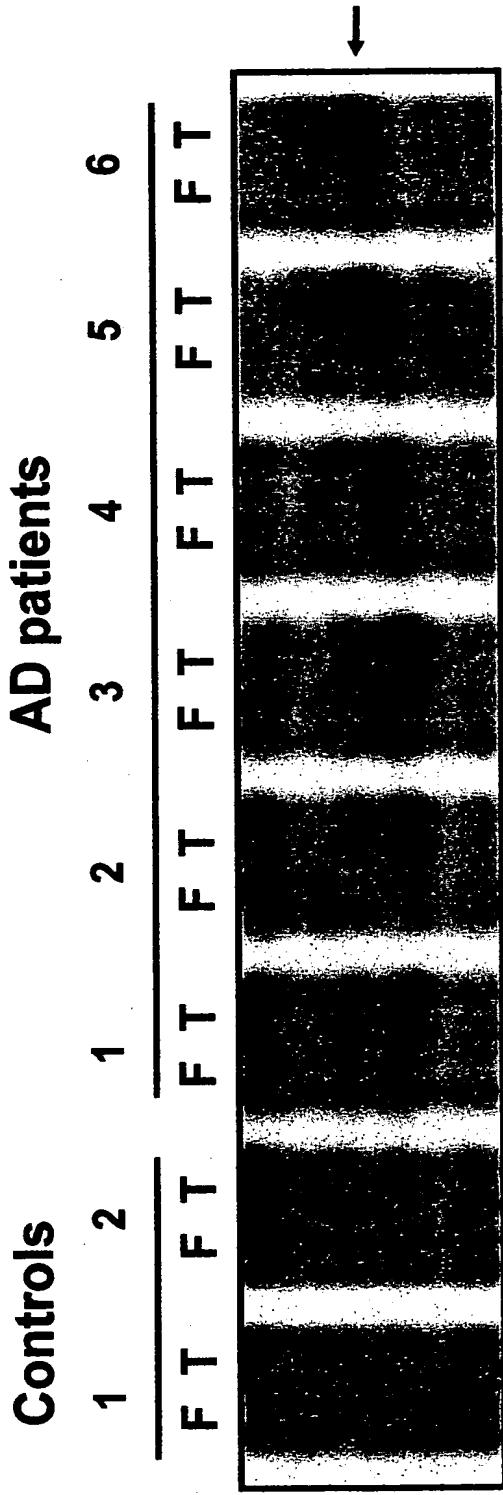
**Fig. 1: Identification of genes involved in
Alzheimer's Disease pathology**



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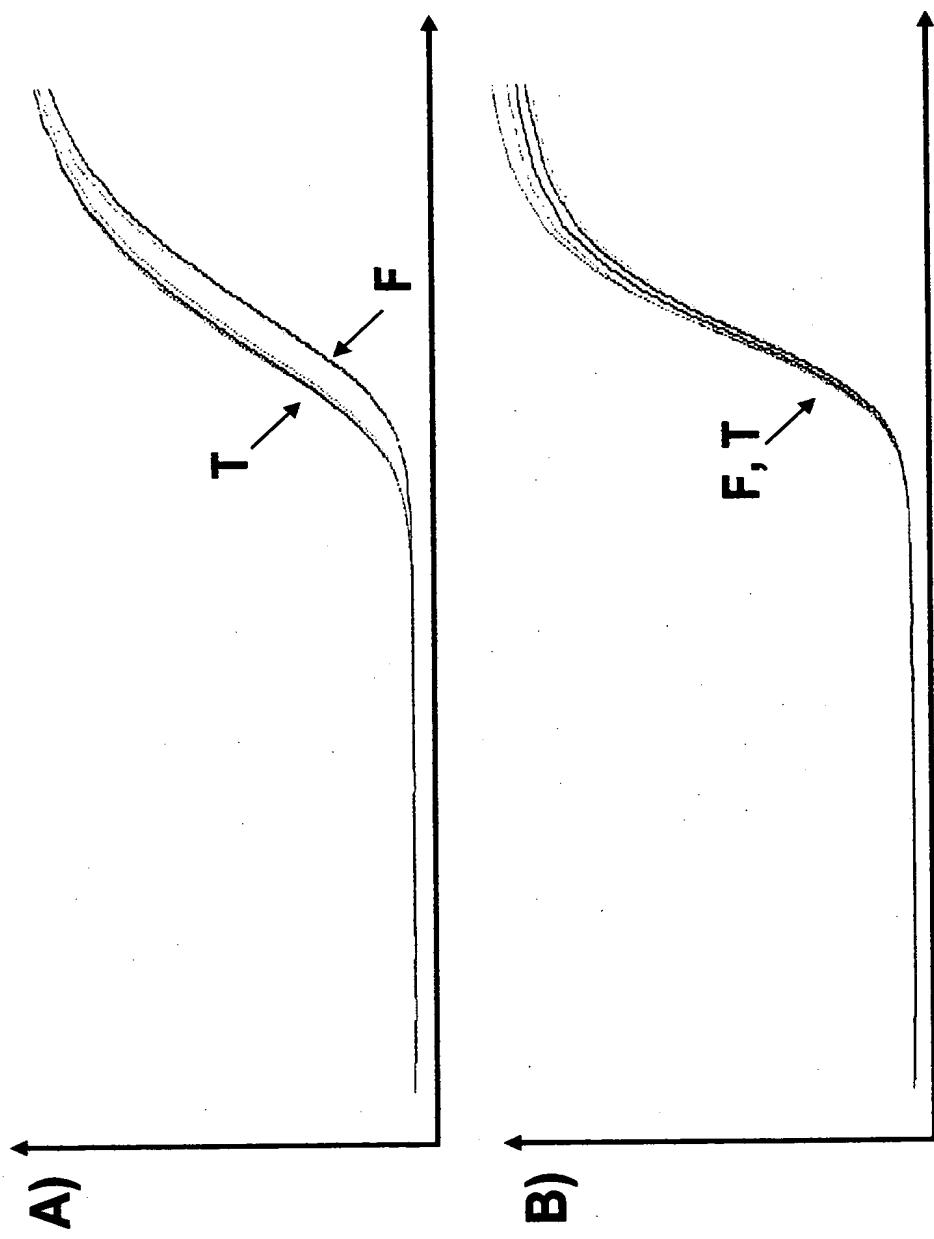
-2/11-

Fig. 2: Identification of differentially expressed Alzheimer's disease genes in a fluorescence differential display screen



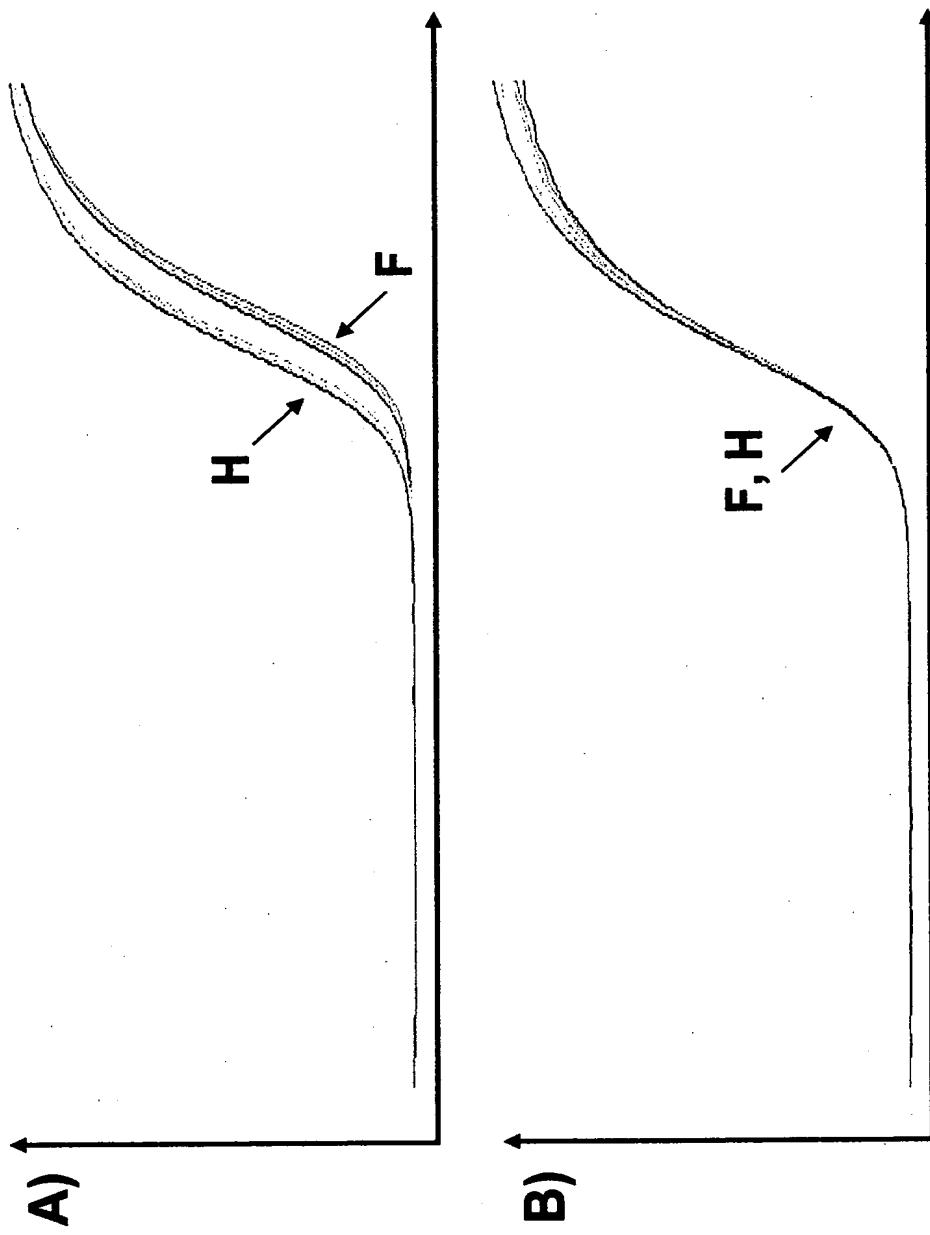
-3/11-

Fig. 3: Verification of differential expression of the minor vault protein ADPRTL1 gene by quantitative PCR



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Fig. 4: Verification of differential expression of the minor vault protein ADPRTL1 gene by quantitative PCR



-5/11-

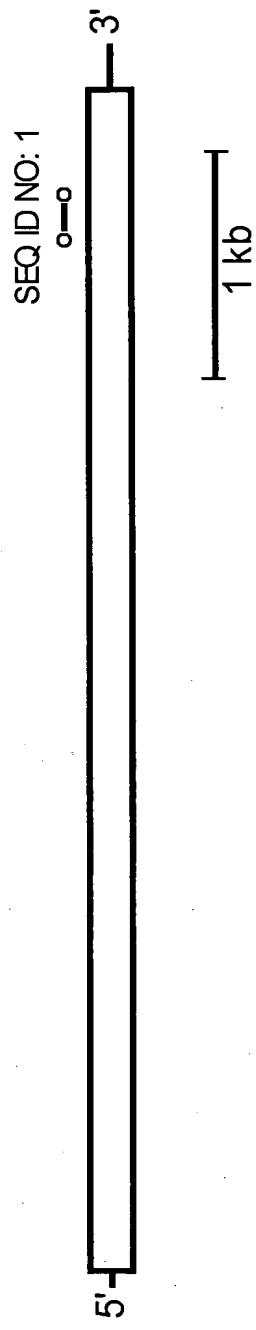
**Figure 5: Nucleotide sequence of
SEQ ID NO. 1**

Length: 35 bp

1 AATCTAGGAA TATTCCCTGG GCTTTGAGG CAATC

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**Fig. 6: Schematic alignment of SEQ ID NO. 1
with minor vault protein ADPRTL1 cDNA
(GenBank accession number AF057160)**



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**Fig. 7: Alignment of SEQ ID NO.1 with minor
vault protein ADPRTL1 cDNA (AF057160)**

1 TCTAGGAATATTCCCTGGGCTTTGAGGCAAT 33
|| ||||| ||||| ||||| ||||| |||||
5027 TCCAGGAATATTCCCTGGGCTTTGAGGCAAT 5058

-8/11-

**Fig. 8: SEQ ID NO. 2: amino acid sequence of
human minor vault protein ADPRTL1**

Length: 1724 aa

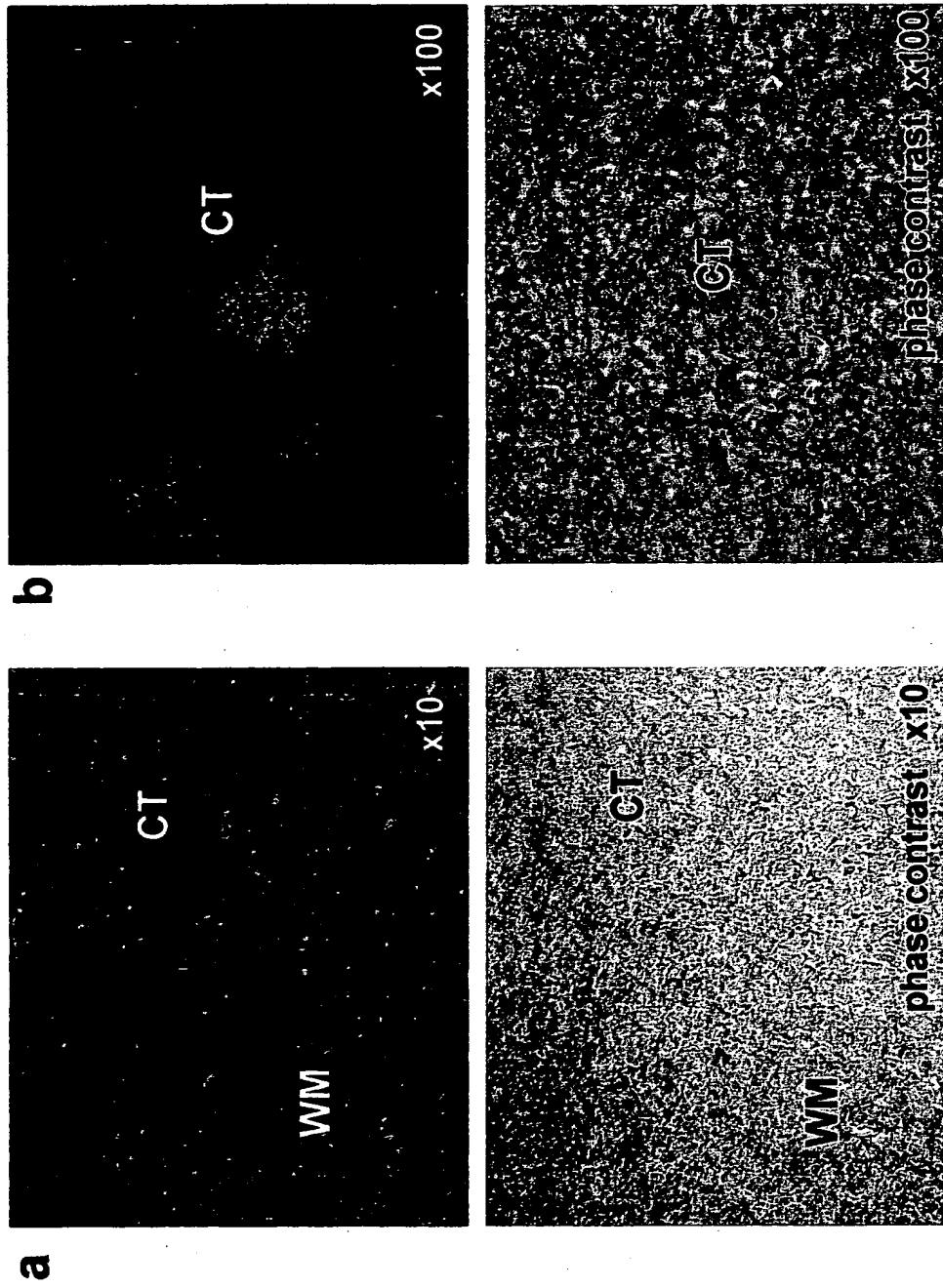
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1 MVMGIFANCI FCLKVKYLPQ QQKKKLQTDI KENGGKFSFS LNPQCTHIIIL
51 DNADVLSQYQ LNSIQKNHVH IANPDFIWKS IREKRLLDVK NYDPYKPLDI
101 TPPPDQKASS SEVKTEGLCP DSATEEEDTV ELTEFGMQNV EIPHLQPQDFE
151 VAKYNTLEKV GMEGGQEAVV VELQCSRDSR DCPFLISSHF LLDDGMETRR
201 QFAIKKTSED ASEYFENYIE ELKKQGFLLR EHFTPPEATQL ASEQLQALLL
251 EEVVMNSSTLS QEVDLVEMI WAEALGHLEH MLLKPVNRIS LNDVSKAEGI
301 LLLVKAALKN GETAEQLQKM MTEFYRLIPH KGTMPKEVNL GLLAKKADLC
351 QLIRDMVNVC ETNLSKPNPP SLAKYRALRC KIEHVEQNT EFLRVRKEVL
401 QNHHSKSPVD VLQIFRVGRV NETTEFLSKL GNVRPLLHGS PVQNIVGILC
451 RGLLLKPVVE DRGVQRTDVG NLGSGIYFSD SLSTS IKYSH PGETDGTRLL
501 LICDVALGKC MDLHEKDFSL TEAPPGYDSV HGVSQTASVT TDFEDDEFVV
551 YKTNQVKMKY IIKFSMPGDQ IKDFHPSDHT ELEEYRPEFS NFSKVVEDYQL
601 PDAKTSSSTK AGLQDASGNL VPLEDVHIKG RIIDTVAQVI VFQTYTNKSH
651 VPIEAKYIFP LDDKAAVCGF EAFINGKHIV GEIKEKEEAQ QEYLEAVTQG
701 HGAYLMSQDA PDVFTVSVGN LPPKAKVLIK ITYITELSIL GTVGVFFMPA
751 TVAPWQQDKA LNENLQDTVE KICIKEIGTK QSFSLTMSIE MPYVIEFIFS
801 DTHELKQKRT DCKAVISTME GSSLDSGGFS LHIGLSAAYL PRMWVEKHPE
851 KESEACMLVF QPDLDVLDL PD LASESEVIIC LDCSSSMEGV TFLQAKQIAL
901 HALSLVGEKQ KVNI IQFGTG YKELFSYPKH ITSNTAAAEC IMSATPTMGN
951 TDFWKTLRYL SLLYPARGSR NILLVSDGHL QDESLTLQLV KRSRPHTRLF
1001 ACGIGSTANR HVRILSQCG AGVFEYFNAK SKHSWRKQIE DQMTRLCSPS
1051 CHSVSVKWQQ LNPDAAPEALQ APAQVPSLFR NDRLLVYGFI PHCTQATLCA
1101 LIQEKEFCTM VSTTELQKTT GTMIHKLAAR ALIRDYEDGI LHENETSHEM
1151 KKQTLKSLII KLSKENSLIT QFTSFVAVEK RDENESPFPD IPKVSELIAK
1201 EDVDFLPYMS WQGEPQEAVR NQSLLASSEW PELRLSKRKH RKIPFSKRKM
1251 ELSQPEVSED FEEDGLGVLP AFTSNLERGG VEKLLDL SWT ESCKPTATEP
1301 LFKKVSPWET STSSFFPILA PAVGSYLTPT TRAHSPASLS FASYRQVASF
1351 GSAAAPPQRQFD ASQFSQGPVP GTCADWI PQS ASCPTGPPQN PPSAPYCGIV
1401 FSGSSLSSAQ SAPLQHPGGF TTRPSAGTFP ELDSPQLHFS LPTDPDPIRG
1451 FGSYHPSAYS PFHFQPSAAS LTANLRLPMA SALPEALCSQ SRTTPVDLCL
1501 LEESVGSLEG SRCPVFAFQS SDTESDELSE VLQDSCFLQI KCDTKDDSI P
1551 CFLEVKEEDE IVCTQHWQDA VPWTELLSLQ TEDGFWKLTP ELGLILNLNT
1601 NGLHSFLKQK GIQLGVKGR ECLLDLIATM LVLQFIRTRL EKEGIVFKSL
1651 MKMDDPSISR NIPWAFEAIK QASEWVR RTE GQYPSICPRL ELGNDWDSAT
1701 KQLLGLQPI S TVSPLHRVLH YSQG

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**Fig. 9: Images of the human cerebral cortex
labeled with anti-ADPRTL1 monoclonal
antibody and with DAPI**



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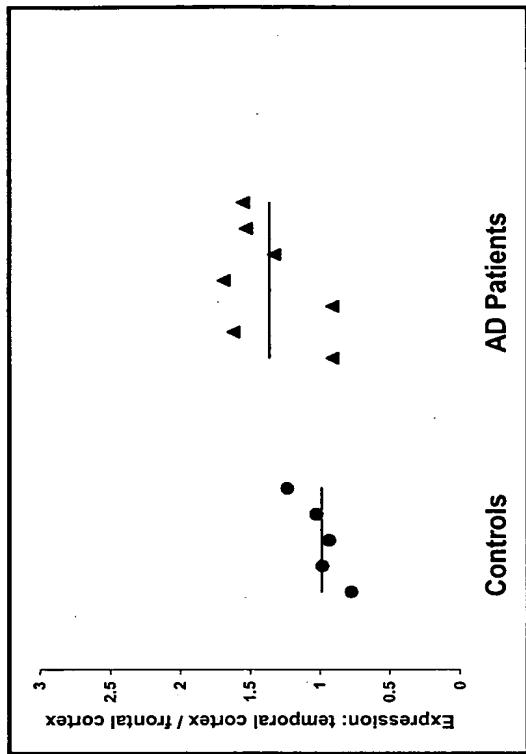


Table 1 :

sample	Δ (fold) (temporal / frontal cortex)
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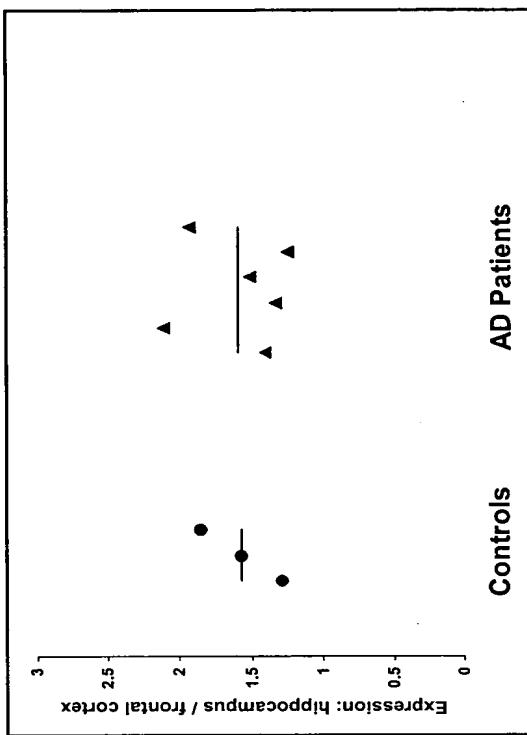


Table 2:

sample	Δ (fold) (hippocampus / frontal cortex)
control C005	1.28
control C008	1.57
control C004	1.86
patient P012	1.40
patient P016	2.11
patient P010	1.32
patient P011	1.51
patient P014	1.24
patient P019	1.93

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